

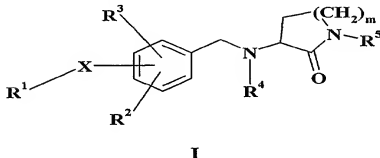
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-6. (canceled)

7. (currently amended) A compound of general formula I



L

~~Wherein-wherein~~

m is an integer from 1 to 3

X is methylene, oxygen, sulphur or a NR⁶ group;

R¹ is a straight or branched C₁-C₈ alkyl or C₃-C₈ alkenylene or C₃-C₈ alkynylene chain, optionally substituted with CF₃, phenyl, phenoxy or naphthyl or phenyl, the aromatic rings optionally substituted by one or more C₁-C₄ alkyl, halogens, trifluoromethyl, hydroxy or C₁-C₄ alkoxy groups;

R², R³ are independently hydrogen, aC₁-C₃ alkyl chain, halogen, trifluoromethyl, hydroxy or C₁-C₄ alkoxy groups;

R^4, R^5, R^6 are independently hydrogen or C_1-C_6 alkyl; and

the pharmaceutically acceptable salts thereof[.];

provided that:

- when R^1 is phenyl, benzyl, 2-phenethyl or 3-phenpropyl optionally and independently substituted on the phenyl ring by one or two C_1-C_6 alkyl, halogen, hydroxy, C_1-C_6 alkoxy or trifluoromethyl and X is oxygen, sulphur, methylene or-NH-, at least one of R^2 or R^3 is other than hydrogen;

- if m is 3, R^1 -X 4-benzyloxy, R^2, R^4 and R^5 hydrogen, then R^3 is other than 3-methoxy; and

- if m is 3, R^1 -X 3-benzyloxy, R^2, R^4 and R^5 hydrogen, then R^3 is other than 4-methoxy.

8-9. (canceled)

10. (currently amended) The ~~compound~~ method according to claim 7 13, wherein the compound is selected from the group consisting of:

3- (4-Butyloxy-benzylamino)-pyrrolidin-2-one;

3- [4- (4-trifluorobutyloxy)-benzylamino]-pyrrolidin-2-one;

3- (4-Pentyloxy-benzylamino)-pyrrolidin-2-one;

3- [4- (5-trifluoropentyloxy)-benzylamino]-pyrrolidin-2-one;

3- (4-Phenylethyl-benzylamino)-pyrrolidin-2-one;

3- (4-Benzyloxy-benzylamino)-pyrrolidin-2-one;

3- (4-Phenylbutoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylpentoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylallyloxy)-benzylamino-pyrrolidin-2-one;
3- (4-Phenoxyethoxy-benzylamino)-pyrrolidin-2-one;
3- [4- (Naphthalen-1-ylmethoxy)-benzylamino]-pyrrolidin-2-one;
3- (4-Pentyloxy-3-fluoro-benzylamino)-pyrrolidin-2-one;
3- (4-Pentyloxy-3-chloro-benzylamino)-pyrrolidin-2-one;
3- (4-Pentyloxy-3-bromo-benzylamino)-pyrrolidin-2-one;
3- (4-Pentyloxy-3-methoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Pentyloxy-3-methyl-benzylamino)-pyrrolidin-2-one;
3- (4-Benzyloxy-3-fluoro-benzylamino)-pyrrolidin-2-one;
3- (4-Benzyloxy-3-bromo-benzylamino)-pyrrolidin-2-one;
3- (4-Benzyloxy-3-methoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Benzyloxy-3-methyl-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylpentoxy-2-chloro-benzylamino)-pyrrolidin-2-one; 3-
(4-Phenylpentoxy-3-bromo-benzylamino)-pyrrolidin-2-one; 3- (4-
Phenylpentoxy-3-methoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylpentoxy-3-methyl-benzylamino)-pyrrolidin-2-one; 3-
(4-Phenylallyloxy-2-chloro-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylallyloxy-3-fluoro-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylallyloxy-3-bromo-benzylamino)-pyrrolidin-2-one; 3-
(4-Phenylallyloxy-3-methoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylallyloxy-3-methyl-benzylamino)-pyrrolidin-2-one;
3- (4-Phenoxyethoxy-2-chloro-benzylamino)-pyrrolidin-2-one; 3-
(4-Phenoxyethoxy-3-fluoro-benzylamino)-pyrrolidin-2-one; 3- (4-

Phenoxyethoxy-3-bromo-benzylamino)-pyrrolidin-2-one; 3- (4-
Phenoxyethoxy-3-methoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Phenoxyethoxy-3-methyl-benzylamino)-pyrrolidin-2-one; 3-
[4-(Naphthalen-1-ylmethoxy)-3-bromo-benzylamino]-pyrrolidin-2-
one;
3-[4-(Naphthalen-1-ylmethoxy)-3-methoxy-benzylamino]-
pyrrolidin-2- one;
3-[4- (Naphthalen-1-ylmethoxy)-3-methyl-benzylamino]-
pyrrolidin-2- one;
3- (4-Pentyloxy-3-bromo-5-methoxy-benzylamino)-pyrrolidin-2-
one;
3- (4-Pentyloxy-3, 5-dimethoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Pentyloxy-3, 5-dimethyl-benzylamino)-pyrrolidin-2-one;
3- (4-Benzyloxy-3-bromo-5-methoxy-benzylamino)-pyrrolidin-2-
one;
3- (4-Benzyloxy-3, 5-dimethoxy-benzylamino)-pyrrolidin-2-one;
3- (4-Benzyloxy-3, 5-dimethyl-benzylamino)-pyrrolidin-2-one;
3- (4-Phenylallyloxy-3-bromo-5-methoxy-benzylamino)-
pyrrolidin-2- one;
3- (4-Phenylallyloxy-3, 5-dimethoxy-benzylamino)-pyrrolidin-2-
one;
3- (4-Phenylallyloxy-3, 5-dimethyl-benzylamino)-pyrrolidin-2-
one;
3-(4-Phenylpentoxy-3-bromo-5-methoxy-benzylamino)-pyrrolidin-
2- one;

3- (4-Phenylpentoxy-3, 5-dimethoxy-benzylamino)-pyrrolidin-2-one;

3- (4-Phenylpentoxy-3, 5-dimethyl-benzylamino)-pyrrolidin-2-one;

3- (4-Phenoxyethoxy-3-bromo-5-methoxy-benzylamino)-pyrrolidin-2-one;

3- (4-Phenoxyethoxy-3, 5-dimethoxy-benzylamino)-pyrrolidin-2-one;

3- (4-Phenoxyethoxy-3, 5-dimethyl-benzylamino)-pyrrolidin-2-one;

3-[4- (Naphthalen-1-ylmethoxy)-2-chloro-5-methoxy-benzylamino]-pyrrolidin-2-one;

3- [4- (Naphthalen-1-ylmethoxy)-3-fluoro-5-methoxy-benzylamino]- pyrrolidin-2-one;

3-[4- (Naphthalen-1-ylmethoxy)-3-bromo-5-methoxy-benzylamino]-pyrrolidin-2-one;

3- [4- (Naphthalen-1-ylmethoxy)-3, 5-dimethoxy-benzylamino] -pyrrolidin-2-one;

3-[4- (Naphthalen-1-ylmethoxy)-3,5-dimethyl-benzylamino]-pyrrolidin- 2-one;

3- [4- (2-Fluorobenzoyloxy)-benzylamino]-pyrrolidin-2-one;

3- [4- (2-Fluorobenzoyloxy)-benzylamino]-N-methylpyrrolidin-2-one;

3- [4- (2-triFluoromethyl-benzoyloxy)-benzylamino]-pyrrolidin-2-one;

3- [4- (2-Chlorobenzoyloxy)-benzylamino]-pyrrolidin-2-one; 3-
[4- (2-Methoxybenzoyloxy)-benzylamino]-pyrrolidin-2-one; 3-[4-
(3-Fluorobenzoyloxy)-benzylamino]-pyrrolidin-2-one;
3-[4- (3-Fluorobenzoyloxy)-benzylamino]-N-methylpyrrolidin-2-
one;
3- {N- [4- (3-Fluorobenzoyloxy)-benzyl]-N-methyl}-amino-
pyrrolidin-2- one;
3- [4- (3-triFluoromethyl-benzoyloxy)-benzylamino]-pyrrolidin-
2-one;
3- [4- (3-Chlorobenzoyloxy)-benzylamino]-pyrrolidin-2-one; 3-
[4- (3-Methoxybenzoyloxy)-benzylamino]-pyrrolidin-2-one; 3- [4-
(3-Methoxybenzoyloxy)-benzylamino]-N-methylpyrrolidin-2-one;
3- [4- (4-Fluorobenzoyloxy)-benzylamino]-pyrrolidin-2-one; 3-
[4- (4-Chlorobenzoyloxy)-benzylamino]-pyrrolidin-2-one; 3- [4-
(4-Methoxybenzoyloxy)-benzylamino]-pyrrolidin-2-one; 3- [4- (4-
triFluoromethyl-benzoyloxy)-benzylamino]-pyrrolidin-2-one;
3- [4- (2, 3-diChlorobenzoyloxy)-benzylamino]-pyrrolidin-2-one;
3- [4- (3, 4-diChlorobenzoyloxy)-benzylamino]-pyrrolidin-2-one;
3- [4- (3, 4-diMethoxybenzoyloxy) -benzylamino] -pyrrolidin-2-
one;
3- [4- (3, 5-diMethoxybenzoyloxy)-benzylamino]-pyrrolidin-2-
one;
3- [4- (3, 5-diMethoxybenzoyloxy)-benzylamino]-N-
methylpyrrolidin-2- one;

3- [4- (3, 5-diMethoxyphenyl)-pentoxy]-benzylamino-pyrrolidin-2-one;

3- [4-(2-Fluorobenzyloxy)-3-methyl-benzylamino]-pyrrolidin-2-one;

3- [4- (2-triFluoromethyl-benzyloxy)-3-methyl-benzylamino]-pyrrolidin- 2-one;

3- [4- (3-Fluorobenzyloxy)-3-methyl-benzylamino]-pyrrolidin-2-one;

3- [4-(3-Fluorobenzyloxy)-3-methyl-benzyl]-N-methylamino}-pyrrolidin-2-one;

3- [4- (3-triFluoromethyl-benzyloxy)-3-methyl-benzylamino]-pyrrolidin- 2-one;

3-[4- (3-Chlorobenzyloxy)-3-methyl-benzylamino]-pyrrolidin-2-one;

3- { [4- (3-Chlorobenzyloxy)-3-methyl-benzyl]-N-methylamino}-pyrrolidin-2-one;

3- [4- (3-Bromobenzyloxy)-3-methyl-benzylamino]-pyrrolidin-2-one;

3-f [4- (3-Bromobenzyloxy)-3-methyl-benzyl]-N-methylamino}-pyrrolidin-2-one;

3-[4- (4-triFluoromethyl-benzyloxy)-2-chloro-benzylamino]-pyrrolidin- 2-one;

3- [4- (4-Fluorobenzyloxy)-3-methyl-benzylamino]-pyrrolidin-2-one;

3- [4- (4-triFluoromethyl-benzyloxy)-3-fluoro-benzylamino]-
pyrrolidin- 2-one;

3- [4- (4-triFluoromethyl-benzyloxy)-3-bromo-benzylamino]-
pyrrolidin- 2-one;

3-[4- (4-triFluoromethyl-benzyloxy)-3-methoxy-benzylamino]-
pyrrolidin-2-one;

3- [4-(4-triFluoromethyl-benzyloxy)-3-methyl-benzylamino]-
pyrrolidin- 2-one;

3- [4- (4-Chlorobenzyloxy)-3-methyl-benzylamino]-pyrrolidin-2-
one;

3- [4- (4-triFluoromethyl-benzyloxy)-3-bromo-5-methoxy-
benzylamino]- pyrrolidin-2-one;

3-[4- (4-triFluoromethyl-benzyloxy)-3, 5-dimethoxy-
benzylamino]- pyrrolidin-2-one;

3- [4- (4-triFluoromethyl-benzyloxy)-3, 5-dimethyl-
benzylamino]- pyrrolidin-2-one;

3- [4- (3, 4-diChlorobenzyloxy)-2-chloro-benzylamino]-
pyrrolidin-2-one;

3- [4- (3, 4-diChlorobenzyloxy)-3-fluoro-benzylamino]-
pyrrolidin-2-one;

3-[4- (3, 4-diChlorobenzyloxy)-3-bromo-benzylamino]-
pyrrolidin-2-one;

3-[4- (3, 4-diChlorobenzyloxy)-3-methoxy-benzylamino]-
pyrrolidin-2- one;

3- [4- (3, 4-diChlorobenzoyloxy)-3-methyl-benzylamino]-
pyrrolidin-2-one;

3- [4- (3, 5-diMethoxybenzyloxy)-2-chloro-benzylamino]-
pyrrolidin-2- one;

3- [4- (3, 5-diMethoxybenzyloxy)-3-fluoro-benzylamino]-
pyrrolidin-2- one;

3- [4- (3, 5-diMethoxybenzyloxy)-3-bromo-benzylamino]-
pyrrolidin-2- one;

3- [4- (3, 5-diMethoxybenzyloxy) -3-methoxy-benzylamino]-
pyrrolidin-2- one;

3- [4- (3, 5-diMethoxybenzyloxy) -3-methyl-benzylamino]-
pyrrolidin-2- one;

3- [4- (3, 4-diChlorobenzoyloxy) -3,5-dimethoxy-benzylamino]-
pyrrolidin- 2-one;

3- [4- (3, 4-diChlorobenzoyloxy) -3,5-dimethyl-benzylamino]-
pyrrolidin-2- one;

3- [4- (3, 5-diChlorobenzoyloxy) -3-bromo-5-methoxy-
benzylamino]- pyrrolidin-2-one;

3- [4- (3, 5-diMethoxybenzyloxy) -3-bromo-5-methoxy-
benzylamino]- pyrrolidin-2-one;

3- [4- (3, 5-diMethoxybenzyloxy) -3, 5-dimethoxy-benzylamino]-
pyrrolidin-2-one;

3- [4- (3, 5-diMethoxyphenyl) -allyloxy)-3, 5-dimethoxy-
benzylamino]- pyrrolidin-2-one;

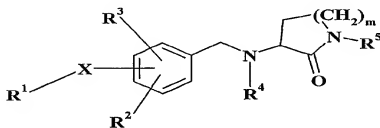
3- (4-Benzoyloxy-benzylamino)-piperidin-2-one;

3- (4-Benzyloxy-benzylamino)-azepan-2-one;
3- [4- (2-Fluorobenzyloxy)-benzylamino]-piperidin-2-one;
3- [4- (2-Fluorobenzyloxy)-benzylamino]-azepan-2-one;
3- [4- (2-Chlorobenzyloxy)-benzylamino]-piperidin-2-one;
3- [4- (2-Chlorobenzyloxy)-benzylamino]-azepan-2-one;
3- [4- (3-Fluorobenzyloxy)-benzylamino]-piperidin-2-one;
3- [4- (3-Fluorobenzyloxy)-benzylamino]-azepan-2-one; 3- [4-
(4-Fluorobenzyloxy)-benzylamino]-piperidin-2-one; 3- [4- (4-
Fluorobenzyloxy)-benzylamino]-azepan-2-one;
3- [4- (2-Chlorobenzylamino)-benzylamino]-piperidin-2-one; 3-
[4- (2-Chlorobenzylamino)-benzylamino]-azepan-2-one;
3-{4-[(2-Chlorobenzyl)methylamino]-benzylamino}-piperidin-2-
one;
3-{4-[(2-Chlorobenzyl) methylamino]-benzylamino}-azepan-2-one;
3- (4-Phenoxybenzylamino)-pyrrolidin-2-one; ~~or~~ and
pharmaceutically acceptable salts thereof.

11. (canceled)

12. (currently amended) A pharmaceutical composition containing
a the compound according to claim 7, or a pharmaceutically
acceptable salt thereof, in admixture with a suitable carrier
and/or diluent and optionally to other therapeutic agents.

13. (currently amended) A method for treating pain, migraine, cognitive disorders, inflammation, gastrointestinal tract disorders, disorders of the genitor urinary tract, ophthalmic diseases or obesity in a subject, said method comprising administering to said subject an effective amount of a compound according to claim 7, of general formula I



I

wherein

m is an integer from 1 to 3

X is methylene, oxygen, sulphur or a NR⁶ group;

R¹ is a straight or branched C₁-C₈ alkyl or C₃-C₈ alkenylene or C₃-C₈ alkynylene chain, optionally substituted with CF₃, phenyl, phenoxy or naphthyl or phenyl, the aromatic rings optionally substituted by one or more C₁-C₄ alkyl, halogens, trifluoromethyl, hydroxy or C₁-C₄ alkoxy groups;

R², R³ are independently hydrogen, aC₁-C₃ alkyl chain, halogen, trifluoromethyl, hydroxy or C₁-C₄ alkoxy groups;

R⁴, R⁵, R⁶ are independently hydrogen or C₁-C₆ alkyl; and

the pharmaceutically acceptable salts thereof.

14-16. (canceled)